

# Claims

[c1] What is claimed is:

1. An adjusting apparatus comprising:

a fixed plate which has an upper surface with at least one bulge;

a sliding stand carried on said upper surface of said fixed plate and having an upper arc surface with an opening, side surfaces, and at least one first fixing device, said side surfaces forming at least one flank with a sliding cavity corresponding to said bulge, said first fixing device screwing and connecting said sliding stand to said fixed plate;

at least one first adjusting device which has one end clipping to said fixed plate and the other end screwing to said sliding stand;

a carrier placed on said arc surface, which has a down surface cooperating with said arc surface, a block corresponding to said opening, and at least one second fixing device screwing and connecting said carrier to said sliding stand; and

at least one second adjusting device which passes through said sliding stand and has one end clipping to said block.

- [c2] 2. The adjusting apparatus according to claim 1, wherein said carrier further comprises an upper surface carrying an optical engine.
- [c3] 3. The adjusting apparatus according to claim 1, further comprising a base below said fixed plate and a supporting frame between said base and said fixed plate, and said supporting frame having a top surface connecting to said fixed plate.
- [c4] 4. The adjusting apparatus according to claim 3, wherein an angle of inclination exists between said top surface and said base.
- [c5] 5. The adjusting apparatus according to claim 3, wherein said top surface is parallel to said base.
- [c6] 6. The adjusting apparatus according to claim 3, wherein two edges of said top surface of said supporting frame respectively have a connection plank for connecting a reflection mirror.
- [c7] 7. The adjusting apparatus according to claim 3, wherein side surfaces of said supporting frame forms at least one flank with at least one sliding slot, and said base has at least one bulge corresponding to said sliding slot.
- [c8] 8. The adjusting apparatus according to claim 7, further

comprising at least one third adjusting device which has one end clipping to said base and the other end screwing to said supporting frame, and at least one third fixing device screwing and connecting said supporting frame to said base.

[c9] 9. The adjusting apparatus according to claim 7, wherein said sliding slot of said supporting frame is perpendicular to said sliding cavity of said sliding stand.

[c10] 10. The adjusting apparatus according to claim 1, wherein end surfaces of said carrier respectively have an arc plank with an arc cavity for guiding.